PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: ROSEMARY KELLOGG	PCT			
SWANSON & BRATSCHUN, L.L.C. 1745 SHEA CENTER DRIVE, SUITE 330 HIGHLANDS RANCH, CO 80129	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION			
	(PCT Rule 44.1)			
	Date of mailing day/month/year) 10 SEP 2004			
Applicant's or agent's file reference UNI26PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. International filing date PCT/US04/10279 International filing date (day/month/year) 02 April 2004 (02.04.2004)				
Applicant UNIGEN PHARMACEUTICALS, INC.				
The applicant is hereby notified that the international search have been established and are transmitted herewith.	ch report and the written opinion of the International Searching Authority			
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the cla	ims of the international application (see Rule 46):			
When? The time limit for filing such amendments is search report.	normally two months from the date of transmittal of the international			
Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35				
For more detailed instructions, see the notes on the ac	companying sheet.			
The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.				
3. With regard to the protest against payment of (an) additi	onal fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.				
no decision has been made yet on the protest; the app	plicant will be notified as soon as a decision is made.			
4. Reminders				
Bureau. If the applicant wishes to avoid or postpone publication priority claim, must reach the International Bureau as provided in technical preparations for international publication.	e, the international application will be published by the International on, a notice of withdrawal of the international application, or of the Rules 90bis.1 and 90bis.3, respectively, before the completion of the			
International Bureau. The International Bureau will send a copy	the written opinion of the International Searching Authority to the y of such comments to all designated Offices unless an international These comments would also be made available to the public but not			
examination must be filed if the applicant wishes to postpone the	of some designated Offices, a demand for international preliminary entry into the national phase until 30 months from the priority date un 20 months from the priority date, perform the prescribed acts for			
In respect of other designated Offices, the time limit of 30 month	s (or later) will apply even if no demand is filed within 19 months.			
See the Annex to Form PCT/IB/301 and, for details about the ap Volume II, National Chapters and the WIPO Internet site.	oplicable time limits, Office by Office, see the PCT Applicant's Guide,			
Name and mailing address of the ISA/ US	Authorized officer			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Randali Winston			
P.O. Box 1450	The state of the			
Alexandria, Virginia 22313-1450	Telephone No. 571-272-0972			

Form PCT/ISA/220 (January 2004)

(See notes on accompanying sheet)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference UNI26PCT	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below.		
International application No. PCT/US04/10279	International filing date (day/month/year 02 April 2004 (02.04.2004)		
Applicant UNIGEN PHARMACEUTICALS, INC.			
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.			
This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report.			
 Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 			
furnished to this Autho	l search was carried out on the basis of a tority (Rule 23.1(b)).		
I.	-	d in the international application, see Box No.	
3. Unity of invention is lacki	d unsearchable (See Box No. II) ng (See Box No. III)		
4. With regard to the title, the text is approved as sub	nitted by the applicant.		
the text has been established by this Authority to read as follows:			
5. With regard to the abstract,			
the text is approved as submitted by the applicant.			
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.			
6. With regard to the drawings,a. the figure of the drawings to be published with the abstract is Figure No			
as suggested by the			
as selected by this	Authority, because the applicant failed to	suggest a figure.	
as selected by this Authority, because this figure better characterizes the invention.			
b. none of the figures is to be	published with the abstract.		

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/10279

IPC(7) US CL	SSIFICATION OF SUBJECT MATTER : A61K 35/78 : 424/757			
	According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 424/757				
Documentat	ion searched other than minimum documentation to the	e extent that	such documents are included	d in the fields searched
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Searched West				
C. DOC	CUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	ppropriate, c	of the relevant passages	Relevant to claim No.
Y	US 5,773,014 A(PERRIER et al) 30 June 1998(30.	06.1998), co	lumn 4, lines 17-22.	1-45
Y	US 6,391,872 B1(MARFAT) 21 May 2002(21.05.2002), column 1, lines 12-16, lines 64-67, column 2, lines 10-16.			1-45
Y	EP 1147764 A2(ISHIDA et al) 24 October 2001 (2	4.10.2001),	entire article.	1-45
Furthe	er documents are listed in the continuation of Box C.	s	ee patent family annex.	
*	Special calegories of cited documents:	"T" 1	ater document published after the in priority date and not in conflict with	ternational filing date or
	nt defining the general state of the art which is not considered to rticular relevance		inderstand the principle or theory un	
	pplication or patent published on or after the international filing		focument of particular relevance; the considered novel or cannot be considered movel or cannot be considered when the document is taken alor	ered to involve an inventive
to establ (as spec	•	(document of particular relevance; the considered to involve an inventive st combined with one or more other suc combination being obvious to a perso	ep when the document is th documents, such
"O" documen	at referring to an oral disclosure, use, exhibition or other means		locument member of the same patent	
priority	at published prior to the international filing date but later than the			
	actual completion of the international search	Date of ma	iling ef the international sear	rch report
	004 (23.08.2004)	Anthonia d		
	nailing address of the ISA/US nil Stop PCT, Attn: ISA/US	Authorized	onice.	_
Co	mmissioner for Patents	Randall W	inston Jalla	Lec Knill
	O. Box 1450 exandria, Virginia 22313-1450	Telephone	No. 574-272-0972	Just eo wy
	o. (703) 305-3230			

Form PCT/ISA/210 (second sheet) (January 2004)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEAR	CHING AÙTH	HORITY	MATION TRE	/ **
To: ROSEMARY KELLOGG SWANSON & BRATSCHUN, L.L.C. 1745 SHEA CENTER DRIVE, SUITE 330 HIGHLANDS RANCH, CO 80129			PCT	
		WRITTEN OPINION OF THE		
			INTERNATI	ONAL SEARCHING AUTHORITY
				(PCT Rule 43bis.1)
	**************************************		Date of mailing (day/month/year)	10 SEP 2004
Applicant's or agent's file	Applicant's or agent's file reference		FOR FURTHER ACTION	
UNI26PCT				See paragraph 2 below
International application I	No.	International filing date	(day/month/year)	Priority date (day/month/year)
PCT/US04/10279	C . CDA	02 April 2004 (02.04.20	004)	04 April 2003 (04.04.2003)
International Patent Class	ification (IPC)	or both national classifica	tion and IPC	
IPC(7): A61K 35/78 and Applicant	US Cl.: 424/7:	57		
UNIGEN PHARMACEU	TICALS, INC	· ·		
1. This opinion contains	indications re	lating to the following iter	ns:	
N				
	Box No. I Basis of the opinion			
Box No. II Priority				
Box No. III	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			entive step and industrial applicability
Box No. IV	Box No. IV Lack of unity of invention			
Box No. V	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
Box No. VI	Certain doc	currents cited		
Box No. VII	Box No. VII Certain defects in the international application			
Box No. VIII	Certain obs	servations on the internation	onal application	
2. FURTHER ACTION	ON			
International Prelimit Authority other than	nary Examinir this one to be	ng Authority ("IPEA") e:	xcept that this does IPEA has notified th	be considered to be a written opinion of the not apply where the applicant chooses an e International Bureau under Rule 66. 1bis (b) dered.
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.				
3. For further details, see notes to Form PCT/ISA/220.				

Authorized officer

Randall Winston

Telephone No. 571-272-0972

E)ackpoxfor

Name and mailing address of the ISA/ US

Mail Stop PCT, Attn: ISA/US

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN G. ... JION OF THE INTERNATIONAL SEARCHING AUTHORITY

Internation

plication No.

PCT/US04/10279

Box No. I Basis of this opinion
 With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form.
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filled or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filled or does not go beyond the application as filled, as appropriate, were furnished.
4. Additional comments:

WRITTEN OF ANION OF THE INTERNATIONAL SEARCHING AUTHORITY

Internation. plication No. PCT/US04/10279

			orting such statement	
1. Stateme	ent			
	Novelty (N)	Claims	1-45	YES
		Claims	NONE	NO
	Immontion of CON			
	Inventive step (IS)	Claims		YES
		Claims	1-45	NO
	Industrial applicability (IA)	Claims	1-45	VD
		Claims		YES NO
				NO
2. Citation:	s and explanations:			
laims 1-45 nethod for ty	meet the criteria set out in PCT Article yrosinase inhibitory activity.	e 33(4), because	one of ordinay skill in the art ca	n create a composition and/or

WRITTEN O. ANON OF THE INTERNATIONAL SEARCHING AUTHORITY

Internation plication No.

2.112	EXNATIONAL SEARCHING AUTHORITY	PCT/US04/10279
Box No. VIII	Certain observations on the international application	
The following ob supported by the	servations on the clarity of the claims, description, and drawing description, are made:	s or on the questions whether the claims are fully
	PCT Article 6 is rendered indefinite. Claim 18 is not dependent of	on any previous claims. Correction is required
	• ******	partition of the control of the legitled.
		T entre in the second s

Form PCT/ISA/237 (Box No. VIII) (January 2004)

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims I to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]: "Claims I to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- [Where various kinds of amendments are made]:
 "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.